













Form PTO-1449 U.S. Department of Commerce (REV. 8-83) Patent and Trademark Office  INFORMATION DISCLOSURE CITATION (Indicate on several sheets if necessary)	Atty. Docket No. Enz-5 (D8)(C2)	Serial No. 08/486,069
	Applicants: Dean L. Engelhardt et al.	
	Filed: June 7, 1995	Group: 1807



## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPRO- PRIATE
		2	5	5	2	2	3		04/17/81	Ward et al.			
AM	4	7	0	7	4	4	0		11/17/87	Stavrianopoulos	435	6	
AM	4	0	3	8	4	8	0		07/26/77	Robins et al.	536	27	
AM	4	2	1	3	8	9	3		07/22/80	Carrico et al.	260	1125R	
	4	2	5	5	5	6	0		08/10/81	Carrico et al.			
AM	4	3	7	8	4	5	8		03/29/83	Gohlke et al.	536	29	
AM	4	4	4	3	5	9	4		04/17/84	Buckmann	536	27	
AM	4	4	6	0	7	7	2		07/17/84	Benovic et al.	514	311	
AM	3	9	3	1	3	9	7		01/06/76	Hamden	424	85	
AM	4	1	2	4	7	0	2		11/07/78	Lampson et al.	424	85	
AM	4	3	1	3	9	3	8		02/02/82	Arimura et al.	424	180	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUB CLASS	TRANS- LATION	
													YES	NO
AM	5	3	1	3	3	2	8	3	11/78	Japan				
AM	2	0	3	6	0	2	9	A	06/25/80	UK				
AM	5	7	0	1	1	9	9		1/82	Japan				
AM	6	0	9	6	6	1	0		5/85	Japan				
AM	0	0	6	3	8	7	9	B1	11/82	EP				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AM	Becker et al., "Irreversible Inhibition of Biotin Transport in Yeast by Biotinyl-p-nitrophenyl Ester," <u>Proc. Nat'l. Acad. Sci. (USA)</u> 68:2604-2607 (1971)
AM	Halloran et al., "The Preparation of Nucleotide-protein Conjugates: Carbodiimides as Coupling Agents," <u>J. Immunol.</u> 96:373-378 (1966)
AM	Manning et al., "A New Method of In-situ Hybridization," <u>Chromosoma</u> 53:107-117 (1975)
	<del>Kropinski et al., <u>Gen. Virol.</u> 6:85 (1970)</del>
AM	Kropinski et al., "5-(4-Aminobutylaminomethyl) uracil, an Unusual Pyrimidine from the Deoxyribonucleic Acid of Bacteriophage $\phi$ W-14," <u>Biochemistry</u> 12:151-157 (1973)
EXAMINER	Adam Marshall
DATE CONSIDERED	12-22-95

\*EXAMINER: Initial if citation considered whether or not citation is in conformance with MPEP 600. Draw line

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AM	4	7	1	1	9	5	5	12/08/87	Ward et al.	536	29	
AM	4	3	5	8	5	3	5	11/82	Falkow et al.	435	5	
AM	5	2	6	0	4	3	3	11/09/93	Engelhardt et al.	536	29.1	
AM	4	5	8	1	3	3	3	04/08/86	Kourilsky et al.	435	6	
AM	4	6	0	5	7	3	5	08/12/86	Miyoshi et al.	536	27	
AM	4	7	0	8	9	3	5	11/24/87	Suhadolnik et al.	435	91	
AM	4	8	8	0	9	1	8	11/24/89	Rapaport	536	27	
AM	4	8	2	8	9	7	9	5/9/89	Klevan et al.	435	6	
AM	4	8	3	3	2	5	1	05/23/89	Musso et al.	548	303	
	<del>3</del>	<del>9</del>	<del>6</del>	<del>0</del>	<del>8</del>	<del>4</del>	<del>0</del>	<del>06/01/76</del>	<del>Secret, III et al.</del>			
	<del>4</del>	<del>2</del>	<del>3</del>	<del>0</del>	<del>7</del>	<del>8</del>	<del>7</del>	<del>10/28/80</del>	<del>Boguslaski et al.</del>			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
													YES	NO
AM	2	0	4	0	9	4	3		09/03/80	UK				
AM	2	0	1	9	4	0	8	A	10/31/79	UK				
AM	6	0	1	6	9	4	9	5	09/85	JP				
AM	0	1	6	9	7	8	7	A1	1/29/86	EP				
AM	8	6	0	2	9	2	9		5/22/86	PCT				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	<del>Bhat, Syn. Proc. in Nucleic Acid Chem., Vol. 1, p. 521 (1968)</del>
AM	Torrence et al., "5-0-Alkylated Derivatives of 5-Hydroxy-2'-deoxyuridine as Potential Antiviral Agents. Anti-Herpes Activity of 5-Propynyloxy-2'-deoxyuridine," <i>J. Med. Chem.</i> , 21:228-231 (1978)
AM	Michelson, "Synthesis Of Nucleotide Anhydrides By Anion Exchange," <i>Biochem. Biophys. Acta.</i> , 91:1-13 (1964)
AM	Cech et al. "A facile synthesis of 5-(perfluoroalkyl)-pyrimidines," <i>Nucl. Acids Res.</i> , 2:2183-2192 (1979)
AM	Schram et al., "Pyrrolopyrimidine Nucleosides VIII. Synthesis of Sangivamycin Derivatives Possessing Exocyclic Heterocycles at C5," <i>J. Carbohydrate. Nucleosides</i> , 1:39-54 (1974)
EXAMINER	<i>Andi Mascher</i>
DATE CONSIDERED 12-22-95	





















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						YES NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AM	Trouet et al., "Targeting of antitumor and antiprotozoal drugs by covalent linkage to protein carriers," <u>Chemical Abstracts</u> , Vol. 98, No. 9, Feb. 28, 1983, pg. 334-335, Abstract No. 77997m		
AM	Trouet et al., "Targeting of antitumor and antiprotozoal drugs by covalent linkage to protein carriers," <u>NATO Adv. Study Inst. of Targeting of Drugs. Series A. Life Sciences</u> , 47:19-30, Plenum Press, New York (1981)		
AM	Angerer et al., "An Electron Microscope Study of the Relative Positions of the 4S and Ribosomal RNA Genes In HeLa Cell Mitochondrial DNA," <u>Cell</u> 9:81-90 (1976)		
AM	Mackey et al., "Preparation and Characterization of Highly Radioactive In Vitro Labeled Adenovirus DNA and DNA Restriction Fragments," <u>Biochemistry</u> , 16:4478-4482 (1977)		
EXAMINER	Adi Marcher	DATE CONSIDERED	12-22-95

